

2

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/784,178	SONG ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Andrew Schechter	2871	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the filing of 22 May 2006.
2. ☒ The allowed claim(s) is/are 26,27,29-32,34-36,38,39 and 42-44.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 09/853,642.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
|--|---|

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Michael F. Morano, Reg. No. 44,952, on 31 July 2006.

**In the Claims:**

In claim 44, the phrase "of claim 42" has been replaced with --of claim 43--.

**In the Title:**

The title has been changed to "Liquid crystal display having black matrix disconnected at portions thereof and method for fabricating the same".

**In the Specification:**

On page 1 as amended on 24 February 2004, the phrase "No. 09/853,642 filed May 14, 2001" has been replaced with --No. 09/853,642 filed May 14, 2001, now U.S. Patent No. 6,781,651--.

**End of examiner's amendment.**

***Allowable Subject Matter***

2. Claims 26, 27, 29-32, 34-36, 38, 39, and 42-44 are allowed.
3. The following is an examiner's statement of reasons for allowance:

The prior art does not disclose the device of claim 26, in particular the limitations that the black matrix is mesh-shaped and disconnected at portions, and that there is a conductive pattern separated from the gate lines and covering a gap between the disconnected portions of the black matrix. [By "covering a gap", the examiner understands that the pattern is required to completely cover the gap, reaching or overlapping the edges of the black matrix on either side of the gap; see below regarding *Sato*, for instance.] Claim 26 is therefore allowed, as are its dependent claims 27, 29, and 30. Analogously, the prior art does not disclose the method of claim 31, which is therefore allowed, as are its dependent claims 32 and 34.

The prior art does not disclose the device of claim 35, in particular the additional limitation that the black matrix is mesh-shaped (amended from the previous dependent claim 37, which was indicated as allowable). [*Song* discloses a black matrix which is a array of rectangles rather than a mesh.] Claim 35 is therefore allowed, as are its dependent claims 36 and 38.

The prior art does not disclose the device of claim 42, in particular the limitation that the conductive pattern separated from the gate line and covering a gap between the disconnected portions of the black matrix is formed on the same plane as the gate line. (Claim 42 is the previous dependent claim 38, indicated as allowable, rewritten in

independent form.) Claim 42 is therefore allowed, as are its dependent claims 43 and 44.

Similarly, the method of claim 39 is not disclosed by the prior art, so claim 39 is also allowed (claim 39 is the previous claim 40 written in independent form).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Schechter whose telephone number is (571) 272-2302. The examiner can normally be reached on Monday - Friday, 9:00 - 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Nelms can be reached at (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2871

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Andrew Schechter  
Primary Examiner  
Technology Center 2800  
3 August 2006